

# David J Varricchio

## List of Publications by Year in descending order

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79  
papers

3,318  
citations

117571

34  
h-index

155592

55  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1548  
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrative approach to understanding bird origins. <i>Science</i> , 2014, 346, 1253293.	6.0	240
2	Cretaceous Sauropods from the Sahara and the Uneven Rate of Skeletal Evolution Among Dinosaurs. <i>Science</i> , 1999, 286, 1342-1347.	6.0	207
3	Nest and egg clutches of the dinosaur <i>Troodon formosus</i> and the evolution of avian reproductive traits. <i>Nature</i> , 1997, 385, 247-250.	13.7	182
4	Evidence for Avian Intrathoracic Air Sacs in a New Predatory Dinosaur from Argentina. <i>PLoS ONE</i> , 2008, 3, e3303.	1.1	152
5	Growth patterns in brooding dinosaurs reveals the timing of sexual maturity in non-avian dinosaurs and genesis of the avian condition. <i>Biology Letters</i> , 2007, 3, 558-561.	1.0	144
6	Avian Paternal Care Had Dinosaur Origin. <i>Science</i> , 2008, 322, 1826-1828.	6.0	133
7	First trace and body fossil evidence of a burrowing, denning dinosaur. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1361-1368.	1.2	122
8	Embryos and eggs for the Cretaceous theropod dinosaur <i>Troodon formosus</i> . <i>Journal of Vertebrate Paleontology</i> , 2002, 22, 564-576.	0.4	121
9	Bone microstructure of the Upper Cretaceous theropod dinosaur <i>Troodon formosus</i> . <i>Journal of Vertebrate Paleontology</i> , 1993, 13, 99-104.	0.4	112
10	A nesting trace with eggs for the Cretaceous theropod dinosaur <i>Troodon formosus</i> . <i>Journal of Vertebrate Paleontology</i> , 1999, 19, 91-100.	0.4	91
11	Marine transgressions and the evolution of Cretaceous dinosaurs. <i>Nature</i> , 1992, 358, 59-61.	13.7	82
12	Hadrosaurid and lambeosaurid bone beds from the Upper Cretaceous Two Medicine Formation of Montana: taphonomic and biologic implications. <i>Canadian Journal of Earth Sciences</i> , 1993, 30, 997-1006.	0.6	77
13	Parental care in an ornithischian dinosaur. <i>Nature</i> , 2004, 431, 145-146.	13.7	75
14	Geology and paleontology of the Upper Cretaceous Kem Kem Group of eastern Morocco. <i>ZooKeys</i> , 2020, 928, 1-216.	0.5	74
15	A New Troodontid Theropod, <i>Talos sampsoni</i> gen. et sp. nov., from the Upper Cretaceous Western Interior Basin of North America. <i>PLoS ONE</i> , 2011, 6, e24487.	1.1	73
16	Mud-Trapped Herd Captures Evidence of Distinctive Dinosaur Sociality. <i>Acta Palaeontologica Polonica</i> , 2008, 53, 567-578.	0.4	72
17	New oviraptorid embryos from Bugin-Tsav, Nemegt Formation (Upper Cretaceous), Mongolia, with insights into their habitat and growth. <i>Journal of Vertebrate Paleontology</i> , 2008, 28, 1110-1119.	0.4	65
18	Taphonomy of Jack's Birthday Site, a diverse dinosaur bonebed from the Upper Cretaceous Two Medicine Formation of Montana. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1995, 114, 297-323.	1.0	62

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19	Reproduction in Mesozoic birds and evolution of the modern avian reproductive mode. <i>Auk</i> , 2016, 133, 654-684.	0.7	62
20	A phylogenetic assessment of prismatic dinosaur eggs from the Cretaceous Two Medicine Formation of Montana. <i>Journal of Vertebrate Paleontology</i> , 2004, 24, 931-937.	0.4	61
21	Comparison of water vapor conductance in a titanosaur egg from the Upper Cretaceous of Argentina and a <i>Megaloolithus siruguei</i> egg from Spain. <i>Paleobiology</i> , 2008, 34, 229-246.	1.3	59
22	A Second Soundly Sleeping Dragon: New Anatomical Details of the Chinese Troodontid <i>Mei long</i> with Implications for Phylogeny and Taphonomy. <i>PLoS ONE</i> , 2012, 7, e45203.	1.1	58
23	Fossil eggs and eggshell from the lowermost Two Medicine Formation of western Montana, Sevenmile Hill locality. <i>Journal of Vertebrate Paleontology</i> , 2010, 30, 1142-1156.	0.4	55
24	GUT CONTENTS FROM A CRETACEOUS TYRANNOSAURID: IMPLICATIONS FOR THEROPOD DINOSAUR DIGESTIVE TRACTS. <i>Journal of Paleontology</i> , 2001, 75, 401-406.	0.5	54
25	The first dinosaur egg was soft. <i>Nature</i> , 2020, 583, 406-410.	13.7	51
26	Porosity and water vapor conductance of two <i>Troodon formosus</i> eggs: an assessment of incubation strategy in a maniraptoran dinosaur. <i>Paleobiology</i> , 2013, 39, 278-296.	1.3	46
27	A distinct dinosaur life history?. <i>Historical Biology</i> , 2011, 23, 91-107.	0.7	44
28	Gut contents from a Cretaceous Tyrannosaurid: Implications for theropod dinosaur digestive tracts. <i>Journal of Paleontology</i> , 2001, 75, 401-406.	0.5	43
29	A study of a Troodon egg containing embryonic remains using epifluorescence microscopy and other techniques. <i>Cretaceous Research</i> , 2010, 31, 255-262.	0.6	42
30	Anatomy of the Early Cretaceous bird <i>Rapaxavis pani</i> , a new species from Liaoning Province, China. <i>Journal of Vertebrate Paleontology</i> , 2009, 29, 545-554.	0.4	41
31	The first <i>Dictyoolithus</i> egg clutches from the Lishui Basin, Zhejiang Province, China. <i>Journal of Vertebrate Paleontology</i> , 2010, 30, 188-195.	0.4	40
32	Common Avian Infection Plagued the Tyrant Dinosaurs. <i>PLoS ONE</i> , 2009, 4, e7288.	1.1	39
33	Giant dinosaur eggs from the Tiantai basin, Zhejiang Province, China. <i>Canadian Journal of Earth Sciences</i> , 2007, 44, 81-88.	0.6	38
34	Dinosaur Footprints and Other Ichnofauna from the Cretaceous Kem Kem Beds of Morocco. <i>PLoS ONE</i> , 2014, 9, e90751.	1.1	36
35	The first in situ turtle clutch from the Cretaceous Tiantai Basin, Zhejiang Province, China. <i>Journal of Vertebrate Paleontology</i> , 2008, 28, 319-325.	0.4	29
36	Reidentification of Avian Embryonic Remains from the Cretaceous of Mongolia. <i>PLoS ONE</i> , 2015, 10, e0128458.	1.1	26

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37	Abnormal, multilayered eggshell in birds: implications for dinosaur reproductive anatomy. <i>Journal of Vertebrate Paleontology</i> , 2003, 23, 699-702.	0.4	24
38	Fossil egg and eggshells from the Upper Cretaceous Hell Creek Formation, Montana. <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1185432.	0.4	23
39	A New Enantiornithine Bird From the Upper Cretaceous Two Medicine Formation of Montana. <i>Journal of Vertebrate Paleontology</i> , 1995, 15, 201-204.	0.4	22
40	Paleoecological utility of insect trace fossils in dinosaur nesting sites of the Two Medicine Formation (Campanian), Choteau, Montana. <i>Historical Biology</i> , 2011, 23, 15-25.	0.7	22
41	The Evolution of Diapsid Reproductive Strategy with Inferences about Extinct Taxa. <i>PLoS ONE</i> , 2016, 11, e0158496.	1.1	20
42	A new Late Cretaceous iguanomorph from North America and the origin of New World Pleurodonta (Squamata, Iguania). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20161902.	1.2	20
43	An Intermediate Incubation Period and Primitive Brooding in a Theropod Dinosaur. <i>Scientific Reports</i> , 2018, 8, 12454.	1.6	20
44	A new microraptorine theropod from the Jehol Biota and growth in early dromaeosaurids. <i>Anatomical Record</i> , 2020, 303, 963-987.	0.8	20
45	Theropod dinosaurs from the Albian–Cenomanian Wayan Formation of eastern Idaho. <i>Historical Biology</i> , 2017, 29, 170-186.	0.7	18
46	Morphometric analysis of the forelimb and pectoral girdle of the Cretaceous ornithopod dinosaur <i>Oryctodromeus cubicularis</i> and implications for digging. <i>Journal of Vertebrate Paleontology</i> , 2015, 35, e936555.	0.4	17
47	Early mammalian social behaviour revealed by multituberculates from a dinosaur nesting site. <i>Nature Ecology and Evolution</i> , 2021, 5, 32-37.	3.4	17
48	Ontogenetic changes in the long bone microstructure in the nine-banded armadillo ( <i>Dasypus</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302</i>	1.1	14
49	Eggs and clutches of the Spheroolithidae from the Cretaceous Tiantai basin, Zhejiang Province, China. <i>Historical Biology</i> , 2014, 26, 183-194.	0.7	13
50	Avian eggs from the Eocene Willwood and Chadron formations of Wyoming and Nebraska. <i>Journal of Vertebrate Paleontology</i> , 2013, 33, 1190-1201.	0.4	11
51	Mammal-bearing gastric pellets potentially attributable to <i>Troodon formosus</i> at the Cretaceous Egg Mountain locality, Two Medicine Formation, Montana, USA. <i>Palaeontology</i> , 2021, 64, 699-725.	1.0	11
52	Reconstruction of the forelimb musculature of the Cretaceous ornithopod dinosaur <i>Oryctodromeus cubicularis</i> : implications for digging. <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1078341.	0.4	10
53	Microstructural overlap of <i>Macroelongatoolithus</i> eggs from Asia and North America expands the occurrence of colossal oviraptorosaurs. <i>Journal of Vertebrate Paleontology</i> , 2018, 38, e1553046.	0.4	10
54	An oviraptorosaur adult-egg association from the Cretaceous of Jiangxi Province, China. <i>Journal of Vertebrate Paleontology</i> , 2019, 39, e1739060.	0.4	10

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55	Insect trace fossils elucidate depositional environments and sedimentation at a dinosaur nesting site from the Cretaceous (Campanian) Two Medicine Formation of Montana. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 534, 109262.	1.0	9
56	Systematic reinterpretation of <i>Piksi barbarulna</i> Varricchio, 2002 from the Two Medicine Formation (Upper Cretaceous) of Western USA (Montana) as a pterosaur rather than a bird. <i>Geodiversitas</i> , 2012, 34, 883-894.	0.2	8
57	Lay, brood, repeat: nest reuse and site fidelity in ecologic time for two Cretaceous troodontid dinosaurs. <i>Journal of Vertebrate Paleontology</i> , 2015, 35, e932797.	0.4	8
58	A new bird from the Upper Cretaceous Two Medicine Formation of Montana. <i>Canadian Journal of Earth Sciences</i> , 2002, 39, 19-26.	0.6	7
59	Nest taphonomy of common terns ( <i>Sterna hirundo</i> ) on Poplar Island, Chesapeake Bay, Maryland. <i>Historical Biology</i> , 2014, 26, 155-164.	0.7	7
60	Evaluating deformation in <i>Spheroolithus</i> dinosaur eggs from Zhejiang, China. <i>Historical Biology</i> , 2014, 26, 173-182.	0.7	7
61	Taphonomy of and new burrows from <i>Oryctodromeus cubicularis</i> , a burrowing neornithischian dinosaur, from the mid-Cretaceous (Albian-Cenomanian) of Idaho and Montana, U.S.A.. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 530, 300-311.	1.0	7
62	Horseshoe crab trace fossils from the Upper Cretaceous Two Medicine Formation of Montana, USA, and a brief review of the xiphosurid ichnological record. <i>Journal of Paleontology</i> , 2020, 94, 887-905.	0.5	6
63	Tracing the Manson impact event across the Western Interior Cretaceous Seaway. , 2010, , .		5
64	FROM EGGS TO HATCHLINGS: NEST SITE TAPHONOMY OF AMERICAN CROCODILE ( <i>CROCODYLUS</i> ) Tj ETQq0 0,0rgBT /Oylock 10	0.6	5
65	A new terrestrial trace fossil <i>Foichnus martini</i> n. isp. from the Upper Cretaceous Two Medicine Formation (USA). <i>Journal of Paleontology</i> , 2020, 94, 922-930.	0.5	5
66	Do paleontologists dream of electric dinosaurs? Investigating the presumed inefficiency of dinosaurs contact incubating partially buried eggs. <i>Paleobiology</i> , 2021, 47, 101-114.	1.3	5
67	Revisiting Sabath's "Larger Avian Eggs" from the Gobi Cretaceous. <i>Acta Palaeontologica Polonica</i> , 0, , .	0.4	4
68	New multituberculate mammals from the mid-Cretaceous (lower Cenomanian) Wayan Formation of southeastern Idaho and implications for the early evolution of Cimolodonta. <i>Journal of Vertebrate Paleontology</i> , 2019, 39, e1604532.	0.4	4
69	Tiny, ornamented eggs and eggshell from the Upper Cretaceous of Utah represent a new ootaxon with theropod affinities. <i>Scientific Reports</i> , 2021, 11, 10021.	1.6	4
70	Microstructural description of the maniraptoran egg <i>Protoceratopsidovum</i> . <i>Papers in Palaeontology</i> , 2022, 8, .	0.7	4
71	Paleoecological implications of two closely associated egg types from the Upper Cretaceous St. Mary River Formation, Montana. <i>Cretaceous Research</i> , 2017, 79, 182-190.	0.6	3
72	TAPHONOMIC PATHWAYS IN VERTEBRATE FOSSIL ASSEMBLAGES ILLUSTRATED BY A BOVINE MASS DROWNING EVENT. <i>Palaios</i> , 2018, 33, 174-184.	0.6	2

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73	New occurrence of <i>Neurankylus</i> sp. (Testudines: Paracryptodiria: Baenidae) in the Upper Cretaceous Frontier Formation of south western Montana (USA). <i>Cretaceous Research</i> , 2020, 108, 104318.	0.6	2
74	Ichnology and sedimentology of the Coniacian non-marine Frontier Formation, western Centennial Mountains, southwestern Montana, USA. <i>Historical Biology</i> , 2022, 34, 158-175.	0.7	2
75	Soot and palynologic analysis of Manson impact-related strata (Upper Cretaceous) of Iowa and South Dakota, USA. <i>Cretaceous Research</i> , 2009, 30, 127-134.	0.6	1
76	Nest site taphonomy of colonial ground-nesting birds at Bowdoin National Wildlife Refuge, Montana. <i>Historical Biology</i> , 2020, 32, 902-916.	0.7	1
77	Taphonomic assessment of material generated by an Arboreal Nesting Colony of Great Blue Herons ( <i>Ardea herodias</i> ). <i>Historical Biology</i> , 2020, , 1-15.	0.7	1
78	An exceptional adult-clutch-embryo association and its implications for dinosaur reproduction. <i>Science Bulletin</i> , 2021, 66, 868-870.	4.3	1
79	Welcome to papers from the 4th International Symposium on Dinosaur Eggs and Babies. <i>Historical Biology</i> , 2011, 23, 1-3.	0.7	0